

We Claim:

1. An orthopedic implant, comprising: a foraminous, corrugated biocompatible material formed into a sleeve.
- 5 2. The orthopedic implant of claim 1, wherein the orthopedic implant is provided with a first and second end and a length dimension extending therebetween, wherein the first and second ends are open.
3. The orthopedic implant of claim 1 wherein the implant is provided with a plurality of lobes and depressions.
4. The orthopedic implant of claim 1 wherein the biocompatible material is titanium.
- 10 5. The orthopedic implant of claim 1 wherein the walls of the implant have a thickness dimension in the size range of about 0.5 mm to about 3.0 mm
6. The orthopedic implant of claim 1 wherein the implant is provided with four lobes and four depressions.
- 15 7. The orthopedic implant of claim 1 wherein the implant is provided with six lobes and six depressions.
8. The orthopedic implant of claim 1 wherein the implant is constructed from a foraminous corrugated loop.
9. The orthopedic implant of claim 1 wherein the implant is constructed from a foraminous corrugated sheet.
- 20 10. The orthopedic implant of claim 1 wherein the implant is comprised of an intersecting network of landed regions that define a plurality of openings in the network, wherein the openings are dispersed among the landed regions.
11. The orthopedic implant of claim 1 wherein the implant has a substantially circular shape.
- 25 12. The orthopedic implant of claim 1 wherein the implant has a substantially elliptical shape.

13. The orthopedic implant of claim 1, wherein the implant surrounds a material selected from the group consisting of bone graft material and a bone growth promoting material and mixtures thereof.
14. The orthopedic implant of claim 1, further comprising a cerclage passing through the openings and secured around the sleeve.
15. The orthopedic implant of claim 1, wherein the orthopedic implant occupies the disc space between two vertebrae.
16. The orthopedic implant of claim 1, wherein the sleeve is an inner sleeve and the implant further comprises an outer sleeve adapted to surround the inner sleeve.
17. A method of providing an orthopedic implant, comprising:  
providing a sheet suitable for construction into a sleeve;  
selecting the shape, size and position of openings and corrugations to be made in the sheet;  
selecting a biocompatible material;  
forming the sheet according to the design; and  
enclosing the sheet to form the implant.
18. The method of claim 17, further comprising:  
encircling an area of a bone with a formed sheet to form a sleeve having openings and corrugations; and  
securing the sheet around the bone.
19. Method of claim 18, wherein the step of securing the sheet around the bone further comprises threading a cerclage through the perforations and corrugations and affixing the ends of the cerclage.
20. [Intentionally Left Blank]
21. [Intentionally Left Blank]
22. A method of orthopedic treatment, comprising implanting the implant of claim 1 into the space between two vertebrae.
23. The method of claim 22 wherein bone is placed in the implant prior to implanting.

24. A method of providing an orthopedic implant, comprising:

Providing a loop suitable for construction into a sleeve;

Selecting the shape, size and position of openings and corrugations to be made in the sheet;

selecting a biocompatible material; and

forming the implant according to the design.

5